

# Search

FILE 'CAPLUS, WPIX, USPATFULL, USPAT2' ENTERED AT 12:32:07 ON 27 MAY 2006

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E KULKARNI S/AU
L1      69 SEA ABB=ON   PLU=ON   "KULKARNI S"/AU
L2      52 SEA ABB=ON   PLU=ON   "KULKARNI S"/AU
L3       0 SEA ABB=ON   PLU=ON   "KULKARNI S"/AU
L4       0 SEA ABB=ON   PLU=ON   "KULKARNI S"/AU
TOTAL FOR ALL FILES
L5      121 SEA ABB=ON   PLU=ON   "KULKARNI S"/AU
E KULKARNI SANDEEP/AU
L6      16 SEA ABB=ON   PLU=ON   "KULKARNI SANDEEP"/AU
L7       0 SEA ABB=ON   PLU=ON   "KULKARNI SANDEEP"/AU
L8       7 SEA ABB=ON   PLU=ON   "KULKARNI SANDEEP"/AU
L9       1 SEA ABB=ON   PLU=ON   "KULKARNI SANDEEP"/AU
TOTAL FOR ALL FILES
L10     24 SEA ABB=ON   PLU=ON   "KULKARNI SANDEEP"/AU
E LING Y/AU
L11     42 SEA ABB=ON   PLU=ON   "LING Y"/AU
L12    151 SEA ABB=ON   PLU=ON   "LING Y"/AU
L13       0 SEA ABB=ON   PLU=ON   "LING Y"/AU
L14       0 SEA ABB=ON   PLU=ON   "LING Y"/AU
TOTAL FOR ALL FILES
L15     193 SEA ABB=ON   PLU=ON   "LING Y"/AU
E LING YUAN/AU
L16       3 SEA ABB=ON   PLU=ON   "LING YUAN"/AU
L17       0 SEA ABB=ON   PLU=ON   "LING YUAN"/AU
L18       2 SEA ABB=ON   PLU=ON   "LING YUAN"/AU
L19       1 SEA ABB=ON   PLU=ON   "LING YUAN"/AU
TOTAL FOR ALL FILES
L20       6 SEA ABB=ON   PLU=ON   "LING YUAN"/AU
L21       5 DUP REM L20 (1 DUPLICATE REMOVED)
D 1-5 BIB AB
E WILLIAMS R/AU
L22     327 SEA ABB=ON   PLU=ON   "WILLIAMS R"/AU
L23     251 SEA ABB=ON   PLU=ON   "WILLIAMS R"/AU
L24       0 SEA ABB=ON   PLU=ON   "WILLIAMS R"/AU
L25       0 SEA ABB=ON   PLU=ON   "WILLIAMS R"/AU
TOTAL FOR ALL FILES
L26     578 SEA ABB=ON   PLU=ON   "WILLIAMS R"/AU
E WILLIAMS R C/AU
L27     119 SEA ABB=ON   PLU=ON   ("WILLIAMS R C"/AU OR "WILLIAMS R C JR"/AU
OR "WILLIAMS R CHRISTOPHER"/AU)
L28     124 SEA ABB=ON   PLU=ON   ("WILLIAMS R C"/AU OR "WILLIAMS R C JR"/AU
OR "WILLIAMS R CHRISTOPHER"/AU)
L29       0 SEA ABB=ON   PLU=ON   ("WILLIAMS R C"/AU OR "WILLIAMS R C JR"/AU
OR "WILLIAMS R CHRISTOPHER"/AU)
L30       0 SEA ABB=ON   PLU=ON   ("WILLIAMS R C"/AU OR "WILLIAMS R C JR"/AU
OR "WILLIAMS R CHRISTOPHER"/AU)
TOTAL FOR ALL FILES
L31     243 SEA ABB=ON   PLU=ON   ("WILLIAMS R C"/AU OR "WILLIAMS R C JR"/AU
OR "WILLIAMS R CHRISTOPHER"/AU)
E WILLIAMS RICK C/AU
L32       8 SEA ABB=ON   PLU=ON   "WILLIAMS RICK"/AU
L33       0 SEA ABB=ON   PLU=ON   "WILLIAMS RICK"/AU
L34       4 SEA ABB=ON   PLU=ON   "WILLIAMS RICK"/AU
L35       1 SEA ABB=ON   PLU=ON   "WILLIAMS RICK"/AU
TOTAL FOR ALL FILES
L36     13 SEA ABB=ON   PLU=ON   "WILLIAMS RICK"/AU
L37       3 SEA L21
L38       7 SEA ABB=ON   PLU=ON   L32 NOT L37
L39       0 SEA L21
L40       0 SEA ABB=ON   PLU=ON   L33 NOT L39
L41       2 SEA L21
L42       2 SEA ABB=ON   PLU=ON   L34 NOT L41

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L43           0 SEA L21  
 L44           1 SEA ABB=ON   PLU=ON   L35 NOT L43  
 TOTAL FOR ALL FILES  
 L45           10 SEA ABB=ON   PLU=ON   L36 NOT L21  
               D 1-10 BIB AB  
               E HOLBERT V/AU  
 L46           17 SEA ABB=ON   PLU=ON   ("HOLBERT V"/AU OR "HOLBERT V P"/AU OR  
               "HOLBERT VICTOR"/AU OR "HOLBERT VICTOR P"/AU OR "HOLBERT  
               VICTOR PAUL"/AU)  
 L47           11 SEA ABB=ON   PLU=ON   ("HOLBERT V"/AU OR "HOLBERT V P"/AU OR  
               "HOLBERT VICTOR"/AU OR "HOLBERT VICTOR P"/AU OR "HOLBERT  
               VICTOR PAUL"/AU)  
 L48           9 SEA ABB=ON   PLU=ON   ("HOLBERT V"/AU OR "HOLBERT V P"/AU OR  
               "HOLBERT VICTOR"/AU OR "HOLBERT VICTOR P"/AU OR "HOLBERT  
               VICTOR PAUL"/AU)  
 L49           1 SEA ABB=ON   PLU=ON   ("HOLBERT V"/AU OR "HOLBERT V P"/AU OR  
               "HOLBERT VICTOR"/AU OR "HOLBERT VICTOR P"/AU OR "HOLBERT  
               VICTOR PAUL"/AU)  
 TOTAL FOR ALL FILES  
 L50           38 SEA ABB=ON   PLU=ON   ("HOLBERT V"/AU OR "HOLBERT V P"/AU OR  
               "HOLBERT VICTOR"/AU OR "HOLBERT VICTOR P"/AU OR "HOLBERT  
               VICTOR PAUL"/AU)  
 L51           3 SEA L21  
 L52           16 SEA ABB=ON   PLU=ON   L46 NOT (L51 OR L38)  
 L53           0 SEA L21  
 L54           11 SEA ABB=ON   PLU=ON   L47 NOT (L53 OR L40)  
 L55           2 SEA L21  
 L56           7 SEA ABB=ON   PLU=ON   L48 NOT (L55 OR L42)  
 L57           0 SEA L21  
 L58           0 SEA ABB=ON   PLU=ON   L49 NOT (L57 OR L44)  
 TOTAL FOR ALL FILES  
 L59           34 SEA ABB=ON   PLU=ON   L50 NOT (L21 OR L45)  
 L60           21 DUP REM L59 (13 DUPLICATES REMOVED)  
               D 1-21 BIB AB  
 L61           573 SEA ABB=ON   PLU=ON   L1 OR L6 OR L11 OR L22 OR L27  
 L62           564 SEA ABB=ON   PLU=ON   L2 OR L7 OR L12 OR L23 OR L28  
 L63           7 SEA ABB=ON   PLU=ON   L3 OR L8 OR L13 OR L24 OR L29  
 L64           1 SEA ABB=ON   PLU=ON   L4 OR L9 OR L14 OR L25 OR L30  
 TOTAL FOR ALL FILES  
 L65           1145 SEA ABB=ON   PLU=ON   L5 OR L10 OR L15 OR L26 OR L31  
 L66           23 SEA ABB=ON   PLU=ON   L61 AND PAPER?  
 L67           20 SEA ABB=ON   PLU=ON   L62 AND PAPER?  
 L68           6 SEA ABB=ON   PLU=ON   L63 AND PAPER?  
 L69           1 SEA ABB=ON   PLU=ON   L64 AND PAPER?  
 TOTAL FOR ALL FILES  
 L70           50 SEA ABB=ON   PLU=ON   L65 AND PAPER?  
 L71           56 SEA ABB=ON   PLU=ON   L61 AND (PAPER? OR ?CELLUL?)  
 L72           33 SEA ABB=ON   PLU=ON   L62 AND (PAPER? OR ?CELLUL?)  
 L73           7 SEA ABB=ON   PLU=ON   L63 AND (PAPER? OR ?CELLUL?)  
 L74           1 SEA ABB=ON   PLU=ON   L64 AND (PAPER? OR ?CELLUL?)  
 TOTAL FOR ALL FILES  
 L75           97 SEA ABB=ON   PLU=ON   L65 AND (PAPER? OR ?CELLUL?)  
 L76           3 SEA ABB=ON   PLU=ON   L71 AND ?ACRYL?  
 L77           9 SEA ABB=ON   PLU=ON   L72 AND ?ACRYL?  
 L78           6 SEA ABB=ON   PLU=ON   L73 AND ?ACRYL?  
 L79           1 SEA ABB=ON   PLU=ON   L74 AND ?ACRYL?  
 TOTAL FOR ALL FILES  
 L80           19 SEA ABB=ON   PLU=ON   L75 AND ?ACRYL?  
 L81           1 SEA ABB=ON   PLU=ON   L71 AND INK  
 L82           3 SEA ABB=ON   PLU=ON   L72 AND INK  
 L83           2 SEA ABB=ON   PLU=ON   L73 AND INK  
 L84           1 SEA ABB=ON   PLU=ON   L74 AND INK  
 TOTAL FOR ALL FILES  
 L85           7 SEA ABB=ON   PLU=ON   L75 AND INK

L86            3 SEA ABB=ON   PLU=ON   L76 OR L81  
L87           11 SEA ABB=ON   PLU=ON   L77 OR L82  
L88           6 SEA ABB=ON   PLU=ON   L78 OR L83  
L89           1 SEA ABB=ON   PLU=ON   L79 OR L84  
TOTAL FOR ALL FILES  
L90           21 SEA ABB=ON   PLU=ON   L80 OR L85  
L91           15 DUP REM L90 (6 DUPLICATES REMOVED)  
L92           15 FOCUS L91 1-  
              D 1-15 BIB AB

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FILE 'CAPLUS, WPIX, PIRA, PAPERCHEM2' ENTERED AT 13:49:31 ON 27 MAY 2006

L1	742796	SEA ABB=ON	PLU=ON	(PAPER OR PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
L2	364591	SEA ABB=ON	PLU=ON	(PAPER OR PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
L3	164291	SEA ABB=ON	PLU=ON	(PAPER OR PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
L4	253286	SEA ABB=ON	PLU=ON	(PAPER OR PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
TOTAL FOR ALL FILES				
L5	1524964	SEA ABB=ON	PLU=ON	(PAPER OR PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
L6	84	SEA ABB=ON	PLU=ON	L1 AND ((HOLDOUT? OR BARRIER?) (10A) STARCH)
L7	31	SEA ABB=ON	PLU=ON	L2 AND ((HOLDOUT? OR BARRIER?) (10A) STARCH)
L8	23	SEA ABB=ON	PLU=ON	L3 AND ((HOLDOUT? OR BARRIER?) (10A) STARCH)
L9	32	SEA ABB=ON	PLU=ON	L4 AND ((HOLDOUT? OR BARRIER?) (10A) STARCH)
TOTAL FOR ALL FILES				
L10	170	SEA ABB=ON	PLU=ON	L5 AND ((HOLDOUT? OR BARRIER?) (10A) STARCH)
L11	5	SEA ABB=ON	PLU=ON	L6 AND INK
L12	2	SEA ABB=ON	PLU=ON	L7 AND INK
L13	9	SEA ABB=ON	PLU=ON	L8 AND INK
L14	11	SEA ABB=ON	PLU=ON	L9 AND INK
TOTAL FOR ALL FILES				
L15	27	SEA ABB=ON	PLU=ON	L10 AND INK
L16	25	DUP REM L15	(2 DUPLICATES REMOVED)	
L17	25	FOCUS L16 1-	D 1-25 ALL	
L18	1	SEA ABB=ON	PLU=ON	L6 AND COBB
L19	0	SEA ABB=ON	PLU=ON	L7 AND COBB
L20	1	SEA ABB=ON	PLU=ON	L8 AND COBB
L21	1	SEA ABB=ON	PLU=ON	L9 AND COBB
TOTAL FOR ALL FILES				
L22	3	SEA ABB=ON	PLU=ON	L10 AND COBB
L23	3	DUP REM L22	(0 DUPLICATES REMOVED)	
		D 1-3 ALL		
L24	1	SEA ABB=ON	PLU=ON	L6 AND (WEIGHT (5A) BASIS)
L25	1	SEA ABB=ON	PLU=ON	L7 AND (WEIGHT (5A) BASIS)
L26	1	SEA ABB=ON	PLU=ON	L8 AND (WEIGHT (5A) BASIS)
L27	3	SEA ABB=ON	PLU=ON	L9 AND (WEIGHT (5A) BASIS)
TOTAL FOR ALL FILES				
L28	6	SEA ABB=ON	PLU=ON	L10 AND (WEIGHT (5A) BASIS)
L29	6	DUP REM L28	(0 DUPLICATES REMOVED)	
		D 1-6 ALL		
L30	22	SEA ABB=ON	PLU=ON	L6 AND ?ACRYL?
L31	11	SEA ABB=ON	PLU=ON	L7 AND ?ACRYL?
L32	0	SEA ABB=ON	PLU=ON	L8 AND ?ACRYL?
L33	1	SEA ABB=ON	PLU=ON	L9 AND ?ACRYL?
TOTAL FOR ALL FILES				
L34	34	SEA ABB=ON	PLU=ON	L10 AND ?ACRYL?
L35	8	SEA ABB=ON	PLU=ON	L30 AND (PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
L36	5	SEA ABB=ON	PLU=ON	L31 AND (PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
L37	0	SEA ABB=ON	PLU=ON	L32 AND (PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
L38	0	SEA ABB=ON	PLU=ON	L33 AND (PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)

TOTAL FOR ALL FILES			
L39	13	SEA ABB=ON PLU=ON	L34 AND (PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
L40	13	DUP REM L39	(0 DUPLICATES REMOVED)
L41	8	SEA L40	
L42	8	SEA ABB=ON PLU=ON	L41 NOT (L11 OR L18 OR L24)
L43	5	SEA L40	
L44	4	SEA ABB=ON PLU=ON	L43 NOT (L12 OR L19 OR L25)
L45	0	SEA L40	
L46	0	SEA ABB=ON PLU=ON	L45 NOT (L13 OR L20 OR L26)
L47	0	SEA L40	
L48	0	SEA ABB=ON PLU=ON	L47 NOT (L14 OR L21 OR L27)
TOTAL FOR ALL FILES			
L49	12	SEA ABB=ON PLU=ON	L40 NOT (L15 OR L22 OR L28)
L50	12	FOCUS L49 1-	
		D 1-12 ALL	
L51	16918	SEA ABB=ON PLU=ON	(PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
L52	43395	SEA ABB=ON PLU=ON	(PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
L53	14278	SEA ABB=ON PLU=ON	(PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
L54	17846	SEA ABB=ON PLU=ON	(PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
TOTAL FOR ALL FILES			
L55	92437	SEA ABB=ON PLU=ON	(PAPERBOARD OR CARDBOARD OR FOLDER OR BRISTOL)
L56	19	SEA ABB=ON PLU=ON	L51 AND (STARCH AND INK AND (POLYACRYL? OR ACRYL?))
L57	25	SEA ABB=ON PLU=ON	L52 AND (STARCH AND INK AND (POLYACRYL? OR ACRYL?))
L58	4	SEA ABB=ON PLU=ON	L53 AND (STARCH AND INK AND (POLYACRYL? OR ACRYL?))
L59	7	SEA ABB=ON PLU=ON	L54 AND (STARCH AND INK AND (POLYACRYL? OR ACRYL?))
TOTAL FOR ALL FILES			
L60	55	SEA ABB=ON PLU=ON	L55 AND (STARCH AND INK AND (POLYACRYL? OR ACRYL?))
L61	1	SEA ABB=ON PLU=ON	L56 AND COBB
L62	2	SEA ABB=ON PLU=ON	L57 AND COBB
L63	0	SEA ABB=ON PLU=ON	L58 AND COBB
L64	0	SEA ABB=ON PLU=ON	L59 AND COBB
TOTAL FOR ALL FILES			
L65	3	SEA ABB=ON PLU=ON	L60 AND COBB
		D 1-3 ALL	
L66	1	SEA ABB=ON PLU=ON	L56 AND (BASIS (5A) WEIGHT)
L67	1	SEA ABB=ON PLU=ON	L57 AND (BASIS (5A) WEIGHT)
L68	1	SEA ABB=ON PLU=ON	L58 AND (BASIS (5A) WEIGHT)
L69	0	SEA ABB=ON PLU=ON	L59 AND (BASIS (5A) WEIGHT)
TOTAL FOR ALL FILES			
L70	3	SEA ABB=ON PLU=ON	L60 AND (BASIS (5A) WEIGHT)
L71	1	SEA ABB=ON PLU=ON	L66 NOT L61
L72	0	SEA ABB=ON PLU=ON	L67 NOT L62
L73	1	SEA ABB=ON PLU=ON	L68 NOT L63
L74	0	SEA ABB=ON PLU=ON	L69 NOT L64
TOTAL FOR ALL FILES			
L75	2	SEA ABB=ON PLU=ON	L70 NOT L65
		D 1-2 ALL	

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FILE 'USPATFULL, USPAT2' ENTERED AT 14:21:13 ON 27 MAY 2006

L1 3329 SEA ABB=ON PLU=ON (427/389900-392000/NCL OR 427/394000-396000  
/NCL OR 427/411000/NCL OR 428/537500/NCL)  
L2 224 SEA ABB=ON PLU=ON (427/389900-392000/NCL OR 427/394000-396000  
/NCL OR 427/411000/NCL OR 428/537500/NCL)  
TOTAL FOR ALL FILES  
L3 3553 SEA ABB=ON PLU=ON (427/389900-392000/NCL OR 427/394000-396000  
/NCL OR 427/411000/NCL OR 428/537500/NCL)  
L4 569 SEA ABB=ON PLU=ON (L1 AND (PAPERBOARD OR CARDBOARD OR FOLDER  
OR BRISTOL))  
L5 55 SEA ABB=ON PLU=ON (L2 AND (PAPERBOARD OR CARDBOARD OR FOLDER  
OR BRISTOL))  
TOTAL FOR ALL FILES  
L6 624 SEA ABB=ON PLU=ON (L3 AND (PAPERBOARD OR CARDBOARD OR FOLDER  
OR BRISTOL))  
L7 94 SEA ABB=ON PLU=ON (L4 AND (STARCH AND INK AND (POLYACRYL? OR  
ACRYL?)))  
L8 11 SEA ABB=ON PLU=ON (L5 AND (STARCH AND INK AND (POLYACRYL? OR  
ACRYL?)))  
TOTAL FOR ALL FILES  
L9 105 SEA ABB=ON PLU=ON (L6 AND (STARCH AND INK AND (POLYACRYL? OR  
ACRYL?)))  
L10 15 SEA ABB=ON PLU=ON L7 AND COBB  
L11 1 SEA ABB=ON PLU=ON L8 AND COBB  
TOTAL FOR ALL FILES  
L12 16 SEA ABB=ON PLU=ON L9 AND COBB  
L13 9 SEA ABB=ON PLU=ON L10 AND (BASIS (5A) WEIGHT)  
L14 1 SEA ABB=ON PLU=ON L11 AND (BASIS (5A) WEIGHT)  
TOTAL FOR ALL FILES  
L15 10 SEA ABB=ON PLU=ON L12 AND (BASIS (5A) WEIGHT)  
L16 10 FOCUS L15 1-  
D 1-10 BIB AB  
L17 19 SEA ABB=ON PLU=ON (L4 AND (STARCH AND INK AND (?MICROB? OR  
?FUNG? OR ?BACTER? OR ?BIOCID?)))  
L18 5 SEA ABB=ON PLU=ON (L5 AND (STARCH AND INK AND (?MICROB? OR  
?FUNG? OR ?BACTER? OR ?BIOCID?)))  
TOTAL FOR ALL FILES  
L19 24 SEA ABB=ON PLU=ON (L6 AND (STARCH AND INK AND (?MICROB? OR  
?FUNG? OR ?BACTER? OR ?BIOCID?)))  
L20 15 SEA ABB=ON PLU=ON L17 NOT L13  
L21 4 SEA ABB=ON PLU=ON L18 NOT L14  
TOTAL FOR ALL FILES  
L22 19 SEA ABB=ON PLU=ON L19 NOT L15  
L23 19 FOCUS L22 1-  
D 1-19 BIB AB  
L24 1 SEA ABB=ON PLU=ON L20 AND COBB  
L25 0 SEA ABB=ON PLU=ON L21 AND COBB  
TOTAL FOR ALL FILES  
L26 1 SEA ABB=ON PLU=ON L22 AND COBB  
D BIB AB

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=> fil reg

FILE 'REGISTRY' ENTERED AT 12:35:12 ON 19 MAY 2006

=> d his ful

FILE 'HCAPLUS' ENTERED AT 11:07:44 ON 19 MAY 2006

L1 1 SEA ABB=ON PLU=ON US20040084163/PN

FILE 'REGISTRY' ENTERED AT 11:08:13 ON 19 MAY 2006

L2 2 SEA ABB=ON PLU=ON (473910-18-8/BI OR 9005-25-8/BI)  
 L3 1 SEA ABB=ON PLU=ON 9005-25-8/RN  
 L4 1 SEA ABB=ON PLU=ON 473910-18-8/RN  
 L5 322751 SEA ABB=ON PLU=ON PACR/PCT  
 L6 322751 SEA ABB=ON PLU=ON L5 OR L5  
 L7 150000 SEA RAN=(169504-82-9-) ABB=ON PLU=ON L5 OR L5  
 L8 172751 SEA ABB=ON PLU=ON L6 NOT L7

FILE 'HCAPLUS' ENTERED AT 11:11:48 ON 19 MAY 2006

L9 62819 SEA ABB=ON PLU=ON L7  
 L10 407022 SEA ABB=ON PLU=ON L8  
 L11 445309 SEA ABB=ON PLU=ON L9 OR L10  
 L12 157640 SEA ABB=ON PLU=ON L3 OR STARCH  
 L13 8777 SEA ABB=ON PLU=ON L11 AND L12  
 L14 2277 SEA ABB=ON PLU=ON L13 AND (PAPER OR PAPERBOARD?)  
 L15 13 SEA ABB=ON PLU=ON L14 AND BASE(2A) LAYER?  
 L16 1 SEA ABB=ON PLU=ON L15 AND INK(2A) LAYER?  
 L17 409 SEA ABB=ON PLU=ON L14 AND ?LAYER?  
 L18 0 SEA ABB=ON PLU=ON L17 AND HOLDOUT(2A) LAYER?  
 L19 39 SEA ABB=ON PLU=ON L17 AND RESIST?(3A) (WATER? OR  
 MOISTURE?)

FILE 'REGISTRY' ENTERED AT 11:25:27 ON 19 MAY 2006

L20 1 SEA ABB=ON PLU=ON CELLULOSE/CN

FILE 'HCAPLUS' ENTERED AT 11:26:22 ON 19 MAY 2006

L21 343313 SEA ABB=ON PLU=ON L20 OR CELLULOSE  
 L22 11 SEA ABB=ON PLU=ON L19 AND L21  
 L23 1 SEA ABB=ON PLU=ON L4  
 L24 314870 SEA ABB=ON PLU=ON ?ACRYLIC? OR ?METHACRYLIC?  
 L25 6774 SEA ABB=ON PLU=ON L24 AND L12  
 L26 1053 SEA ABB=ON PLU=ON L25 AND ?LAYER?  
 L27 425 SEA ABB=ON PLU=ON L26 AND (PAPER? OR PAPERBOARD? OR  
 PAPER(W) BOARD?)  
 L28 47 SEA ABB=ON PLU=ON L27 AND RESIST?(3A) (WATER? OR  
 MOISTURE?)  
 L29 8 SEA ABB=ON PLU=ON L28 AND L21  
 L30 2 SEA ABB=ON PLU=ON L28 AND INK(2A) ?LAYER?  
 L31 587160 SEA ABB=ON PLU=ON L11 OR L24  
 L32 42690 SEA ABB=ON PLU=ON L31 AND (SIZE OR SIZING)  
 L33 1819 SEA ABB=ON PLU=ON L32 AND L12  
 L34 752 SEA ABB=ON PLU=ON L33 AND (PAPER? OR PAPERBOARD? OR  
 PAPER(W) BOARD?)  
 L35 20 SEA ABB=ON PLU=ON L34 AND INK(2A) ?LAYER?  
 L36 12 SEA ABB=ON PLU=ON L35 AND L21  
 L37 55 SEA ABB=ON PLU=ON L15 OR L16 OR L18 OR L19 OR L22 OR  
 L23 OR L29 OR L30  
 L38 7 SEA ABB=ON PLU=ON L37 AND INK(2A) ?LAYER?  
 L39 4 SEA ABB=ON PLU=ON L38 AND L21  
 L40 13 SEA ABB=ON PLU=ON L36 OR L39  
 L41 10 SEA ABB=ON PLU=ON L34 AND PRINT?(2A) ?LAYER?

L42 5 SEA ABB=ON PLU=ON L37 AND PRINT? (2A) ?LAYER?  
 L43 13 SEA ABB=ON PLU=ON L41 OR L42  
 L44 4 SEA ABB=ON PLU=ON L43 AND L21  
 L45 13 SEA ABB=ON PLU=ON L40 OR L44  
 L46 12 SEA ABB=ON PLU=ON L41 OR L42 NOT L45  
 L47 797 SEA ABB=ON PLU=ON L34 OR L37  
 L48 32 SEA ABB=ON PLU=ON L47 AND (INK? OR PRINT?) (3A) ?LAYER?  
  
 L49 21 SEA ABB=ON PLU=ON L48 AND (BASE? OR HOLDOUT? OR  
 RECEPTIV? OR RECEIV?)  
 L50 11 SEA ABB=ON PLU=ON L49 AND L21  
 L51 43724 SEA ABB=ON PLU=ON L31 AND (SIZE# OR SIZING)  
 L52 4122 SEA ABB=ON PLU=ON L51 AND (PAPER OR PAPER(W) BOARD?  
 OR PAPERBOARD?)  
 L53 297 SEA ABB=ON PLU=ON L52 AND RESIST? (3A) (WATER? OR  
 MOISTUR? OR MILDEW?)  
 L54 27 SEA ABB=ON PLU=ON L53 AND (INK? OR PRINT?) (3A) ?LAYER?  
  
 L55 3 SEA ABB=ON PLU=ON L54 AND L21  
 L56 13 SEA ABB=ON PLU=ON L54 AND (BASE? OR HOLDOUT? OR  
 RECEPTIV? OR RECEIV?)  
 L57 14 SEA ABB=ON PLU=ON L45 OR L50 OR L55  
 L58 25 SEA ABB=ON PLU=ON L46 OR L56  
 L59 15 SEA ABB=ON PLU=ON L58 AND CELLUL?/SC,SX  
 L60 9 SEA ABB=ON PLU=ON L57 AND CELLUL?/SC,SX  
 L61 20 SEA ABB=ON PLU=ON L59 OR L60

FILE 'WPIX' ENTERED AT 12:20:41 ON 19 MAY 2006

L62 151326 SEA ABB=ON PLU=ON ?ACRYLIC? OR ?METHACRYLIC?  
 L63 52133 SEA ABB=ON PLU=ON STARCH?  
 L64 104012 SEA ABB=ON PLU=ON CELLULOSE?  
 L65 2540 SEA ABB=ON PLU=ON L62 AND L63 AND L64  
 L66 436 SEA ABB=ON PLU=ON L65 AND (PAPER OR PAPER(W) BOARD?  
 OR PAPERBOARD?)  
 L67 48 SEA ABB=ON PLU=ON L66 AND RESIST? (3A) (WATER? OR  
 MOISTUR? OR MILDEW?)  
 L68 13 SEA ABB=ON PLU=ON L67 AND (INK? OR PRINT?) (3A) ?LAYER?

FILE 'PAPERCHEM2' ENTERED AT 12:25:41 ON 19 MAY 2006

L69 0 SEA ABB=ON PLU=ON L67 AND (INK? OR PRINT?) (3A) ?LAYER?  
  
 L70 6 SEA ABB=ON PLU=ON L66 AND RESIST? (3A) (WATER? OR  
 MOISTUR? OR MILDEW?)  
 D SCAN  
 L71 12721 SEA ABB=ON PLU=ON POLYACRYLIC? OR ACRYLIC? OR  
 METHACRYLIC? OR POLYMETHACRYLIC?  
 L72 165 SEA ABB=ON PLU=ON L71 AND L63 AND L64  
 L73 96 SEA ABB=ON PLU=ON L72 AND (PAPER OR PAPER(W) BOARD?  
 OR PAPERBOARD?)  
 L74 6 SEA ABB=ON PLU=ON L73 AND RESIST? (3A) (WATER? OR  
 MOISTUR? OR MILDEW?)  
 L75 6 SEA ABB=ON PLU=ON L70 OR L74

FILE 'PIRA' ENTERED AT 12:31:25 ON 19 MAY 2006

L76 1 SEA ABB=ON PLU=ON L73 AND RESIST? (3A) (WATER? OR  
 MOISTUR? OR MILDEW?)  
 D SCAN

FILE 'JAPIO' ENTERED AT 12:32:30 ON 19 MAY 2006

L77 1 SEA ABB=ON PLU=ON L73 AND RESIST? (3A) (WATER? OR



MOISTUR? OR MILDEW?)

FILE 'JICST-EPLUS' ENTERED AT 12:32:47 ON 19 MAY 2006

L78 0 SEA ABB=ON PLU=ON L73 AND RESIST?(3A) (WATER? OR  
MOISTUR? OR MILDEW?)

FILE 'HCAPLUS, WPIX, PAPERCHEM2, PIRA, JAPIO' ENTERED AT 12:34:33  
ON 19 MAY 2006

L79 41 DUP REM L61 L68 L75 L76 L77 L78 (0 DUPLICATES REMOVED)

=> fil hcap

FILE 'HCAPLUS' ENTERED AT 12:35:24 ON 19 MAY 2006

=> d que l61

L3	1	SEA FILE=REGISTRY ABB=ON PLU=ON	9005-25-8/RN
L4	1	SEA FILE=REGISTRY ABB=ON PLU=ON	473910-18-8/RN
L5	322751	SEA FILE=REGISTRY ABB=ON PLU=ON	PACR/PCT
L6	322751	SEA FILE=REGISTRY ABB=ON PLU=ON	L5 OR L5
L7	150000	SEA FILE=REGISTRY RAN=(169504-82-9-) ABB=ON PLU=ON	L5 OR L5
L8	172751	SEA FILE=REGISTRY ABB=ON PLU=ON	L6 NOT L7
L9	62819	SEA FILE=HCAPLUS ABB=ON PLU=ON	L7
L10	407022	SEA FILE=HCAPLUS ABB=ON PLU=ON	L8
L11	445309	SEA FILE=HCAPLUS ABB=ON PLU=ON	L9 OR L10
L12	157640	SEA FILE=HCAPLUS ABB=ON PLU=ON	L3 OR STARCH
L13	8777	SEA FILE=HCAPLUS ABB=ON PLU=ON	L11 AND L12
L14	2277	SEA FILE=HCAPLUS ABB=ON PLU=ON	L13 AND (PAPER OR PAPERBOARD?)
L15	13	SEA FILE=HCAPLUS ABB=ON PLU=ON	L14 AND BASE(2A) LAYER?
L16	1	SEA FILE=HCAPLUS ABB=ON PLU=ON	L15 AND INK(2A) LAYER?
L17	409	SEA FILE=HCAPLUS ABB=ON PLU=ON	L14 AND ?LAYER?
L18	0	SEA FILE=HCAPLUS ABB=ON PLU=ON	L17 AND HOLDOUT(2A) LAY ER?
L19	39	SEA FILE=HCAPLUS ABB=ON PLU=ON	L17 AND RESIST?(3A) (WA TER? OR MOISTURE?)
L20	1	SEA FILE=REGISTRY ABB=ON PLU=ON	CELLULOSE/CN
L21	343313	SEA FILE=HCAPLUS ABB=ON PLU=ON	L20 OR CELLULOSE
L22	11	SEA FILE=HCAPLUS ABB=ON PLU=ON	L19 AND L21
L23	1	SEA FILE=HCAPLUS ABB=ON PLU=ON	L4
L24	314870	SEA FILE=HCAPLUS ABB=ON PLU=ON	?ACRYLIC? OR ?METHACRY LIC?
L25	6774	SEA FILE=HCAPLUS ABB=ON PLU=ON	L24 AND L12
L26	1053	SEA FILE=HCAPLUS ABB=ON PLU=ON	L25 AND ?LAYER?
L27	425	SEA FILE=HCAPLUS ABB=ON PLU=ON	L26 AND (PAPER? OR PAPERBOARD? OR PAPER(W) BOARD?)
L28	47	SEA FILE=HCAPLUS ABB=ON PLU=ON	L27 AND RESIST?(3A) (WA TER? OR MOISTURE?)
L29	8	SEA FILE=HCAPLUS ABB=ON PLU=ON	L28 AND L21
L30	2	SEA FILE=HCAPLUS ABB=ON PLU=ON	L28 AND INK(2A) ?LAYER?
L31	587160	SEA FILE=HCAPLUS ABB=ON PLU=ON	L11 OR L24
L32	42690	SEA FILE=HCAPLUS ABB=ON PLU=ON	L31 AND (SIZE OR SIZING)
L33	1819	SEA FILE=HCAPLUS ABB=ON PLU=ON	L32 AND L12
L34	752	SEA FILE=HCAPLUS ABB=ON PLU=ON	L33 AND (PAPER? OR PAPERBOARD? OR PAPER(W) BOARD?)
L35	20	SEA FILE=HCAPLUS ABB=ON PLU=ON	L34 AND INK(2A) ?LAYER?

L36	12	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L35 AND L21
L37	55	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L15 OR L16 OR L18 OR
					L19 OR L22 OR L23 OR L29 OR L30
L38	7	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L37 AND INK(2A)?LAYER?
L39	4	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L38 AND L21
L40	13	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L36 OR L39
L41	10	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L34 AND PRINT?(2A)?LAYER?
L42	5	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L37 AND PRINT?(2A)?LAYER?
L43	13	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L41 OR L42
L44	4	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L43 AND L21
L45	13	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L40 OR L44
L46	12	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L41 OR L42 NOT L45
L47	797	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L34 OR L37
L48	32	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L47 AND (INK? OR PRINT?)(3A)?LAYER?
L49	21	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L48 AND (BASE? OR HOLDOUT? OR RECEPTIV? OR RECEIV?)
L50	11	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L49 AND L21
L51	43724	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L31 AND (SIZE# OR SIZING)
L52	4122	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L51 AND (PAPER OR PAPER(W) BOARD? OR PAPERBOARD?)
L53	297	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L52 AND RESIST?(3A) (WATER? OR MOISTUR? OR MILDEW?)
L54	27	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L53 AND (INK? OR PRINT?)(3A)?LAYER?
L55	3	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L54 AND L21
L56	13	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L54 AND (BASE? OR HOLDOUT? OR RECEPTIV? OR RECEIV?)
L57	14	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L45 OR L50 OR L55
L58	25	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L46 OR L56
L59	15	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L58 AND CELLUL?/SC,SX
L60	9	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L57 AND CELLUL?/SC,SX
L61	20	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L59 OR L60

=> fil wpix  
FILE 'WPIX' ENTERED AT 12:35:35 ON 19 MAY 2006

=> d que 168

L62	151326	SEA FILE=WPIX	ABB=ON	PLU=ON	?ACRYLIC? OR ?METHACRYLIC?
L63	52133	SEA FILE=WPIX	ABB=ON	PLU=ON	STARCH?
L64	104012	SEA FILE=WPIX	ABB=ON	PLU=ON	CELLULOSE?
L65	2540	SEA FILE=WPIX	ABB=ON	PLU=ON	L62 AND L63 AND L64
L66	436	SEA FILE=WPIX	ABB=ON	PLU=ON	L65 AND (PAPER OR PAPER(W) BOARD? OR PAPERBOARD?)
L67	48	SEA FILE=WPIX	ABB=ON	PLU=ON	L66 AND RESIST?(3A) (WATER? OR MOISTUR? OR MILDEW?)
L68	13	SEA FILE=WPIX	ABB=ON	PLU=ON	L67 AND (INK? OR PRINT?)(3A)?LAYER?

=> fil paperchem

FILE 'PAPERCHEM2' ENTERED AT 12:35:52 ON 19 MAY 2006

=> d que 175

L62 151326 SEA FILE=WPIX ABB=ON PLU=ON ?ACRYLIC? OR ?METHACRYLIC  
?  
L63 52133 SEA FILE=WPIX ABB=ON PLU=ON STARCH?  
L64 104012 SEA FILE=WPIX ABB=ON PLU=ON CELLULOSE?  
L65 2540 SEA FILE=WPIX ABB=ON PLU=ON L62 AND L63 AND L64  
L66 436 SEA FILE=WPIX ABB=ON PLU=ON L65 AND (PAPER OR  
PAPER(W)BOARD? OR PAPERBOARD?)  
L70 6 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L66 AND RESIST?(3A)  
(WATER? OR MOISTUR? OR MILDEW?)  
L71 12721 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON POLYACRYLIC? OR  
ACRYLIC? OR METHACRYLIC? OR POLYMETHACRYLIC?  
L72 165 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L71 AND L63 AND  
L64  
L73 96 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L72 AND (PAPER OR  
PAPER(W)BOARD? OR PAPERBOARD?)  
L74 6 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L73 AND RESIST?(3A)  
(WATER? OR MOISTUR? OR MILDEW?)  
L75 6 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L70 OR L74

=> fil pira

FILE 'PIRA' ENTERED AT 12:36:03 ON 19 MAY 2006

=> d que 176

L63 52133 SEA FILE=WPIX ABB=ON PLU=ON STARCH?  
L64 104012 SEA FILE=WPIX ABB=ON PLU=ON CELLULOSE?  
L71 12721 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON POLYACRYLIC? OR  
ACRYLIC? OR METHACRYLIC? OR POLYMETHACRYLIC?  
L72 165 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L71 AND L63 AND  
L64  
L73 96 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L72 AND (PAPER OR  
PAPER(W)BOARD? OR PAPERBOARD?)  
L76 1 SEA FILE=PIRA ABB=ON PLU=ON L73 AND RESIST?(3A) (WATER  
? OR MOISTUR? OR MILDEW?)

=> fil japiro

FILE 'JAPIO' ENTERED AT 12:36:16 ON 19 MAY 2006

=> d que 177

L63 52133 SEA FILE=WPIX ABB=ON PLU=ON STARCH?  
L64 104012 SEA FILE=WPIX ABB=ON PLU=ON CELLULOSE?  
L71 12721 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON POLYACRYLIC? OR  
ACRYLIC? OR METHACRYLIC? OR POLYMETHACRYLIC?  
L72 165 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L71 AND L63 AND  
L64  
L73 96 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L72 AND (PAPER OR  
PAPER(W)BOARD? OR PAPERBOARD?)  
L77 1 SEA FILE=JAPIO ABB=ON PLU=ON L73 AND RESIST?(3A) (WATE  
R? OR MOISTUR? OR MILDEW?)

=> fil jicst

FILE 'JICST-EPLUS' ENTERED AT 12:36:29 ON 19 MAY 2006

=> d que 178

L63 52133 SEA FILE=WPIX ABB=ON PLU=ON STARCH?  
 L64 104012 SEA FILE=WPIX ABB=ON PLU=ON CELLULOSE?  
 L71 12721 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON POLYACRYLIC? OR  
 ACRYLIC? OR METHACRYLIC? OR POLYMETHACRYLIC?  
 L72 165 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L71 AND L63 AND  
 L64  
 L73 96 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L72 AND (PAPER OR  
 PAPER(W) BOARD? OR PAPERBOARD?)  
 L78 0 SEA FILE=JICST-EPLUS ABB=ON PLU=ON L73 AND RESIST?(3A  
 ) (WATER? OR MOISTUR? OR MILDEW?)

=> d que 179

L3 1 SEA FILE=REGISTRY ABB=ON PLU=ON 9005-25-8/RN  
 L4 1 SEA FILE=REGISTRY ABB=ON PLU=ON 473910-18-8/RN  
 L5 322751 SEA FILE=REGISTRY ABB=ON PLU=ON PACR/PCT  
 L6 322751 SEA FILE=REGISTRY ABB=ON PLU=ON L5 OR L5  
 L7 150000 SEA FILE=REGISTRY RAN=(169504-82-9-) ABB=ON PLU=ON  
 L5 OR L5  
 L8 172751 SEA FILE=REGISTRY ABB=ON PLU=ON L6 NOT L7  
 L9 62819 SEA FILE=HCAPLUS ABB=ON PLU=ON L7  
 L10 407022 SEA FILE=HCAPLUS ABB=ON PLU=ON L8  
 L11 445309 SEA FILE=HCAPLUS ABB=ON PLU=ON L9 OR L10  
 L12 157640 SEA FILE=HCAPLUS ABB=ON PLU=ON L3 OR STARCH  
 L13 8777 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 AND L12  
 L14 2277 SEA FILE=HCAPLUS ABB=ON PLU=ON L13 AND (PAPER OR  
 PAPERBOARD?)  
 L15 13 SEA FILE=HCAPLUS ABB=ON PLU=ON L14 AND BASE(2A) LAYER?  
 L16 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L15 AND INK(2A) LAYER?  
 L17 409 SEA FILE=HCAPLUS ABB=ON PLU=ON L14 AND ?LAYER?  
 L18 0 SEA FILE=HCAPLUS ABB=ON PLU=ON L17 AND HOLDOUT(2A) LAY  
 ER?  
 L19 39 SEA FILE=HCAPLUS ABB=ON PLU=ON L17 AND RESIST?(3A) (WA  
 TER? OR MOISTURE?)  
 L20 1 SEA FILE=REGISTRY ABB=ON PLU=ON CELLULOSE/CN  
 L21 343313 SEA FILE=HCAPLUS ABB=ON PLU=ON L20 OR CELLULOSE  
 L22 11 SEA FILE=HCAPLUS ABB=ON PLU=ON L19 AND L21  
 L23 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L4  
 L24 314870 SEA FILE=HCAPLUS ABB=ON PLU=ON ?ACRYLIC? OR ?METHACRY  
 LIC?  
 L25 6774 SEA FILE=HCAPLUS ABB=ON PLU=ON L24 AND L12  
 L26 1053 SEA FILE=HCAPLUS ABB=ON PLU=ON L25 AND ?LAYER?  
 L27 425 SEA FILE=HCAPLUS ABB=ON PLU=ON L26 AND (PAPER? OR  
 PAPERBOARD? OR PAPER(W) BOARD?)  
 L28 47 SEA FILE=HCAPLUS ABB=ON PLU=ON L27 AND RESIST?(3A) (WA  
 TER? OR MOISTURE?)  
 L29 8 SEA FILE=HCAPLUS ABB=ON PLU=ON L28 AND L21  
 L30 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L28 AND INK(2A) ?LAYER?  
 L31 587160 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 OR L24  
 L32 42690 SEA FILE=HCAPLUS ABB=ON PLU=ON L31 AND (SIZE OR  
 SIZING)  
 L33 1819 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND L12  
 L34 752 SEA FILE=HCAPLUS ABB=ON PLU=ON L33 AND (PAPER? OR  
 PAPERBOARD? OR PAPER(W) BOARD?)  
 L35 20 SEA FILE=HCAPLUS ABB=ON PLU=ON L34 AND INK(2A) ?LAYER?  
 L36 12 SEA FILE=HCAPLUS ABB=ON PLU=ON L35 AND L21

L37 55 SEA FILE=HCAPLUS ABB=ON PLU=ON L15 OR L16 OR L18 OR  
 L19 OR L22 OR L23 OR L29 OR L30  
 L38 7 SEA FILE=HCAPLUS ABB=ON PLU=ON L37 AND INK(2A)?LAYER?  
 L39 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L38 AND L21  
 L40 13 SEA FILE=HCAPLUS ABB=ON PLU=ON L36 OR L39  
 L41 10 SEA FILE=HCAPLUS ABB=ON PLU=ON L34 AND PRINT?(2A)?LAY  
 ER?  
 L42 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L37 AND PRINT?(2A)?LAY  
 ER?  
 L43 13 SEA FILE=HCAPLUS ABB=ON PLU=ON L41 OR L42  
 L44 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L43 AND L21  
 L45 13 SEA FILE=HCAPLUS ABB=ON PLU=ON L40 OR L44  
 L46 12 SEA FILE=HCAPLUS ABB=ON PLU=ON L41 OR L42 NOT L45  
 L47 797 SEA FILE=HCAPLUS ABB=ON PLU=ON L34 OR L37  
 L48 32 SEA FILE=HCAPLUS ABB=ON PLU=ON L47 AND (INK? OR  
 PRINT?) (3A)?LAYER?  
 L49 21 SEA FILE=HCAPLUS ABB=ON PLU=ON L48 AND (BASE? OR  
 HOLDOUT? OR RECEPTIV? OR RECEIV?)  
 L50 11 SEA FILE=HCAPLUS ABB=ON PLU=ON L49 AND L21  
 L51 43724 SEA FILE=HCAPLUS ABB=ON PLU=ON L31 AND (SIZE# OR  
 SIZING)  
 L52 4122 SEA FILE=HCAPLUS ABB=ON PLU=ON L51 AND (PAPER OR  
 PAPER(W) BOARD? OR PAPERBOARD?)  
 L53 297 SEA FILE=HCAPLUS ABB=ON PLU=ON L52 AND RESIST?(3A) (WA  
 TER? OR MOISTUR? OR MILDEW?)  
 L54 27 SEA FILE=HCAPLUS ABB=ON PLU=ON L53 AND (INK? OR  
 PRINT?) (3A)?LAYER?  
 L55 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L54 AND L21  
 L56 13 SEA FILE=HCAPLUS ABB=ON PLU=ON L54 AND (BASE? OR  
 HOLDOUT? OR RECEPTIV? OR RECEIV?)  
 L57 14 SEA FILE=HCAPLUS ABB=ON PLU=ON L45 OR L50 OR L55  
 L58 25 SEA FILE=HCAPLUS ABB=ON PLU=ON L46 OR L56  
 L59 15 SEA FILE=HCAPLUS ABB=ON PLU=ON L58 AND CELLUL?/SC,SX  
 L60 9 SEA FILE=HCAPLUS ABB=ON PLU=ON L57 AND CELLUL?/SC,SX  
 L61 20 SEA FILE=HCAPLUS ABB=ON PLU=ON L59 OR L60  
 L62 151326 SEA FILE=WPIX ABB=ON PLU=ON ?ACRYLIC? OR ?METHACRYLIC  
 ?  
 L63 52133 SEA FILE=WPIX ABB=ON PLU=ON STARCH?  
 L64 104012 SEA FILE=WPIX ABB=ON PLU=ON CELLULOSE?  
 L65 2540 SEA FILE=WPIX ABB=ON PLU=ON L62 AND L63 AND L64  
 L66 436 SEA FILE=WPIX ABB=ON PLU=ON L65 AND (PAPER OR  
 PAPER(W) BOARD? OR PAPERBOARD?)  
 L67 48 SEA FILE=WPIX ABB=ON PLU=ON L66 AND RESIST?(3A) (WATER  
 ? OR MOISTUR? OR MILDEW?)  
 L68 13 SEA FILE=WPIX ABB=ON PLU=ON L67 AND (INK? OR  
 PRINT?) (3A)?LAYER?  
 L70 6 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L66 AND RESIST?(3A)  
 (WATER? OR MOISTUR? OR MILDEW?)  
 L71 12721 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON POLYACRYLIC? OR  
 ACRYLIC? OR METHACRYLIC? OR POLYMETHACRYLIC?  
 L72 165 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L71 AND L63 AND  
 L64  
 L73 96 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L72 AND (PAPER OR  
 PAPER(W) BOARD? OR PAPERBOARD?)  
 L74 6 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L73 AND RESIST?(3A)  
 (WATER? OR MOISTUR? OR MILDEW?)  
 L75 6 SEA FILE=PAPERCHEM2 ABB=ON PLU=ON L70 OR L74

L76 1 SEA FILE=PIRA ABB=ON PLU=ON L73 AND RESIST?(3A) (WATER  
? OR MOISTUR? OR MILDEW?)  
L77 1 SEA FILE=JAPIO ABB=ON PLU=ON L73 AND RESIST?(3A) (WATE  
R? OR MOISTUR? OR MILDEW?)  
L78 0 SEA FILE=JICST-EPLUS ABB=ON PLU=ON L73 AND RESIST?(3A  
) (WATER? OR MOISTUR? OR MILDEW?)  
L79 41 DUP REM L61 L68 L75 L76 L77 L78 (0 DUPLICATES REMOVED)

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1957:41297 CAPLUS  
 DN 51:41297  
 OREF 51:7715h-i,7716a  
 ED Entered STN: 22 Apr 2001  
 TI Acrylic emulsion binders in paper and paperboard coatings  
 AU McLaughlin, P. J.; Schucker, F. L.  
 CS Rohm & Haas Co., Philadelphia, PA  
 SO Tappi (1957), 40, 146-51  
 DT Journal  
 LA Unavailable  
 CC 23 (Cellulose, Lignin, Paper, and Other Wood Products)  
 AB cf. C.A. 49, 9926e. The use of acrylic emulsions (Rhoplex AC-33 and B-60K) as binders in paperboard coatings gives high coating weight and good covering, and papers so coated can be printed with excellent fine-line definition. However, when high tack inks (I) are used in printing greater bonding strength is required. Failure during printing with I is almost entirely at the interface between coating and substrate, because of inadequate adhesion between the coating and the cellulose, due to the low penetrability of the substrate by the emulsion polymers (II). To overcome this failure of mech. binding, dispersions must be applied which will deform the particles of II and flow into close contact with the paper surface; this requires functional groups in the polymers capable of specific adhesion to cellulose. Rhoplex B-15 fulfills these requirements. Its use with  $\alpha$ -protein or starch results in better printing quality with no dilution of coating strength. Pigmented coatings based on Rhoplex B-15 or B-60K also show excellent varnish holdout without loss of ink receptivity.  
 IT Paper  
     Paperboard  
         (coatings for, acrylic acid binders for, to increase printability)  
 IT Coating(s)  
     (for paper, acrylic acid binders for, to increase printability)  
 IT Paper  
     (strength of, acrylic acid polymer effect on)  
 IT 79-10-7, Acrylic acid  
     (as paper- and paperboard-coating binder, to increase printability)  
 IT 9009-83-0, Rhoplex B-60K 9010-88-2, Rhoplex AC-33 25133-97-5, Rhoplex B-15  
     (as paper-coating binder, to increase printability)  
 IT 79-10-7, Acrylic acid  
     (effect on paper strength)

=> FIL STNGUIDE